

Utah Geological Survey  
Water Resource Bulletin 29  
Plate 51  
2002

Structure-Contour Map of Selected  
Stratigraphic Ground-Water Compartments,  
Kamas Valley and Western Uinta  
Mountains, Summit County, Utah

I. Top of Humbug-Uinta Stratigraphic Ground-Water Compartment

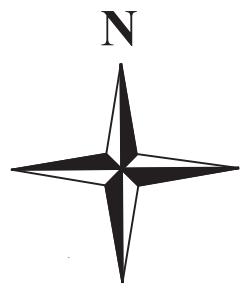
Compiled by H. A. Hurlow

These structure-contour maps are based on projection  
of surface data (plate 1), and incorporate  
limited subsurface data (appendix A).

These diagrams represent the author's best  
estimate of subsurface relations, but not be regarded  
as exact. Future subsurface data may either confirm or  
indicate revision of these structure-contour maps.

The depth from the land surface to the top or base of a SGWC at a particular location  
is the difference between the surface elevation at the point of interest  
and the elevation of the top or base of the SGWC. The vertical thickness of the SGWC  
is the difference between the elevations of its top and base at a particular point.

Elevations of SGWC surfaces between contour lines can be obtained  
by linear interpolation between the closest two contour lines.



Contour interval 500 feet (152 m)

1 0 1 2 3 Miles  
3 0 3 Kilometers

EXPLANATION

Contact

Dashed line: Faults, dashed where approximate, dotted  
where concealed.

Sawtooth line: Thrust; sawteeth on upper plate.  
Normal line: Normal; bar and ball on downthrown side.

Folds

U-shaped line: Anticline  
Inverted U-shaped line: Overturned anticline  
Wavy line: Syncline  
Cross section line: H-H' indicates extension beyond map.  
Contour line: Shows elevation of top or base of stratigraphic  
ground-water compartment, in feet (meters). Datum is mean  
sea level.

Hydrostratigraphic Units

Humbug - Tintic SGWC

Low-permeability unit

Water well (see table A.2)

Base map from U.S. Geological Survey,  
Salt Lake City 30 x 60 minute quadrangle  
Projection: UTM zone 12  
Units: meters  
Datum: 1927 North American  
Spheroid: Clarke 1866

Digital cartography and GIS preparation:  
Alison Corey, Rebecca Gonzales,  
and Basia Matyjasik

